

## SGCN and Stressors Associated with Habitats

### Macrogroup: Rivers and Streams

#### Habitat Systems within Macrogroup:

MacrogroupName Rivers and Streams

Ephemeral

Headwaters and Creeks

Large River

Medium River

Rivers and Streams Macrogroup - Unknown habitat system (i.e. Macrogroup)

Small River

#### SGCN Associated With This Habitat

Total SGCN: 1: 18 2: 19 3: 49

Class	<i>Actinopterygii</i> (Ray-finned Fishes)	SGCN Category
Species	<i>Alosa pseudoharengus</i> (Alewife)	2
Species	<i>Anguilla rostrata</i> (American Eel)	2
Species	<i>Alosa sapidissima</i> (American Shad)	1
Species	<i>Salmo salar</i> (Atlantic Salmon)	1
Species	<i>Acipenser oxyrinchus</i> (Atlantic Sturgeon)	1
Species	<i>Notropis heterolepis</i> (Blacknose Shiner)	3
Species	<i>Alosa aestivalis</i> (Blueback Herring)	1
Species	<i>Notropis bifrenatus</i> (Bridle Shiner)	2
Species	<i>Culaea inconstans</i> (Brook Stickleback)	3
Species	<i>Salvelinus fontinalis</i> (Brook Trout)	3
Species	<i>Lota lota</i> (Burbot)	3
Species	<i>Erimyzon oblongus</i> (Creek Chubsucker)	3
Species	<i>Hybognathus regius</i> (Eastern Silvery Minnow)	3
Species	<i>Rhinichthys cataractae</i> (Longnose Dace)	3
Species	<i>Catostomus catostomus</i> (Longnose Sucker)	3
Species	<i>Margariscus margarita</i> (Pearl Dace)	3
Species	<i>Osmerus mordax</i> (Rainbow Smelt)	1
Species	<i>Esox americanus americanus</i> (Redfin Pickerel)	2
Species	<i>Prosopium cylindraceum</i> (Round Whitefish)	2
Species	<i>Acipenser brevirostrum</i> (Shortnose Sturgeon)	1
Species	<i>Morone saxatilis</i> (Striped Bass)	2
Species	<i>Etheostoma fusiforme</i> (Swamp Darter)	2
Class	<i>Amphibia</i> (Amphibians)	SGCN Category
Species	<i>Ambystoma laterale</i> (Blue-spotted Salamander)	2
Species	<i>Lithobates septentrionalis</i> (Mink Frog)	3
Species	<i>Lithobates pipiens</i> (Northern Leopard Frog)	2
Species	<i>Gyrinophilus porphyriticus porphyriticus</i> (Northern Spring Salamander)	2
Class	<i>Aves</i> (Birds)	SGCN Category
Species	<i>Riparia riparia</i> (Bank Swallow)	1
Species	<i>Bucephala islandica</i> (Barrow's Goldeneye)	1
Species	<i>Megaceryle alcyon</i> (Belted Kingfisher)	3
Species	<i>Chlidonias niger</i> (Black Tern)	2
Species	<i>Petrochelidon pyrrhonota</i> (Cliff Swallow)	3

## SGCN and Stressors Associated with Habitats

### Macrogroup: Rivers and Streams

Species	<i>Aythya marila</i> (Greater Scaup)	2
Species	<i>Stelgidopteryx serripennis</i> (Northern Rough-winged Swallow)	3
Species	<i>Tachycineta bicolor</i> (Tree Swallow)	2
<b>Class</b>	<b><i>Bivalvia</i> (Marine And Freshwater Molluscs)</b>	<b>SGCN Category</b>
Species	<i>Anodonta implicata</i> (Alewife Floater)	3
Species	<i>Alasmidonta varicosa</i> (Brook Floater)	1
Species	<i>Margaritifera margaritifera</i> (Eastern Pearlshell)	3
Species	<i>Leptodea ochracea</i> (Tidewater Mucket)	1
Species	<i>Alasmidonta undulata</i> (Triangle Floater)	3
Species	<i>Lampsilis cariosa</i> (Yellow Lampmussel)	1
<b>Class</b>	<b><i>Cephalaspidomorphi</i> (Lampreys)</b>	<b>SGCN Category</b>
Species	<i>Lethenteron appendix</i> (American Brook Lamprey)	3
<b>Class</b>	<b><i>Gastropoda</i> (Aquatic And Terrestrial Snails)</b>	<b>SGCN Category</b>
Species	<i>Stagnicola oronoensis</i> (Obese Pondsnail)	3
<b>Class</b>	<b><i>Insecta</i> (Insects)</b>	<b>SGCN Category</b>
Species	<i>Hydroptila blacklei</i> (A Caddisfly)	3
Species	<i>Hydroptila parachelops</i> (A Caddisfly)	3
Species	<i>Hydroptila tomah</i> (A Caddisfly)	3
Species	<i>Ochrotrichia denningi</i> (A Caddisfly)	3
Species	<i>Ameletus browni</i> (A Mayfly)	3
Species	<i>Baetisca berneri</i> (A Mayfly)	3
Species	<i>Baetisca carolina</i> (A Mayfly)	3
Species	<i>Baetisca lacustris</i> (A Mayfly)	3
Species	<i>Baetisca rubescens</i> (A Mayfly)	3
Species	<i>Metretopus borealis</i> (A Mayfly)	3
Species	<i>Nixe horrida</i> (A Mayfly)	3
Species	<i>Parametopus midas</i> (A Mayfly)	3
Species	<i>Rhithrogena undulata</i> (A Mayfly)	3
Species	<i>Siphonurus barbaroides</i> (A Mayfly)	3
Species	<i>Siphonurus barbarus</i> (A Mayfly)	2
Species	<i>Siphonurus demaryi</i> (A Mayfly)	2
Species	<i>Alloperla voinae</i> (A Stonefly)	3
Species	<i>Neoperla mainensis</i> (A Stonefly)	3
Species	<i>Stylurus spiniceps</i> (Arrow Clubtail)	3
Species	<i>Cordulegaster obliqua</i> (Arrowhead Spiketail)	3
Species	<i>Enallagma durum</i> (Big Bluet)	3
Species	<i>Ophiogomphus colubrinus</i> (Boreal Snaketail)	1
Species	<i>Neurocordulia michaeli</i> (Broad-tailed Shadowdragon)	3
Species	<i>Cicindela marginipennis</i> (Cobblestone Tiger Beetle)	1
Species	<i>Gomphus vastus</i> (Cobra Clubtail)	3
Species	<i>Progomphus obscurus</i> (Common Sanddragon)	3
Species	<i>Argia translata</i> (Dusky Dancer)	3
Species	<i>Ophiogomphus anomalus</i> (Extra-striped Snaketail)	3
Species	<i>Arigomphus furcifer</i> (Lilypad Clubtail)	3

## SGCN and Stressors Associated with Habitats

### Macrogroup: Rivers and Streams

Species	<i>Somatochlora minor</i> (Ocellated Emerald)	3
Species	<i>Ophiogomphus howei</i> (Pygmy Snaketail)	2
Species	<i>Gomphus quadricolor</i> (Rapids Clubtail)	2
Species	<i>Somatochlora albicincta</i> (Ringed Emerald)	3
Species	<i>Epeorus frisoni</i> (Roaring Brook Mayfly)	1
Species	<i>Lanthus vernalis</i> (Southern Pygmy Clubtail)	2
Species	<i>Pteronarcys comstocki</i> (Spiny Salmonfly)	3
Species	<i>Epiaeschna heros</i> (Swamp Darner)	3
Species	<i>Siphonisca aerodromia</i> (Tomah Mayfly)	1
Species	<i>Enallagma carunculatum</i> (Tule Bluet)	3
Species	<i>Cicindela ancocisconensis</i> (White Mountain Tiger Beetle)	2

Class	<i>Malacostraca</i> (Crustaceans)	SGCN Category
Species	<i>Orconectes limosus</i> (Spinycheek Crayfish)	3

Class	<i>Reptilia</i> (Reptiles)	SGCN Category
Species	<i>Emydoidea blandingii</i> (Blanding's Turtle)	1
Species	<i>Clemmys guttata</i> (Spotted Turtle)	1
Species	<i>Glyptemys insculpta</i> (Wood Turtle)	1

### Endangered (E) and Threatened (T) Plant Species Associated With This Habitat

Class	Dicots <i>Dicotyledoneae</i>	State Status
Species	Hornemann's Willow-herb <i>Epilobium hornemannii</i>	E

## SGCN and Stressors Associated with Habitats

### Macrogroup: Rivers and Streams

#### Stressors Associated With This Macrogroup

**IUCN Level 2 Threat Name:** Agricultural and Forestry Effluents

**Notes:** Lack of adequate riparian buffers in farmlands

**IUCN Level 2 Threat Name:** Agricultural and Forestry Effluents

**IUCN Level 2 Threat Name:** Commercial and Industrial Areas

**Notes:** Impacts likely, but hard to quantify since most ephemeral streams are not mapped

**IUCN Level 2 Threat Name:** Commercial and Industrial Areas

**IUCN Level 2 Threat Name:** Dams and Water Management-Use

**Notes:** Most impacts from dams are historical but many opportunities exist for restoration or removal

**IUCN Level 2 Threat Name:** Domestic and Urban Waste Water

**IUCN Level 2 Threat Name:** Domestic and Urban Waste Water

**Notes:** Impacts likely, but hard to quantify since most ephemeral streams are not mapped

**IUCN Level 2 Threat Name:** Droughts

**IUCN Level 2 Threat Name:** Droughts

**IUCN Level 2 Threat Name:** Habitat Shifting or Alteration

**IUCN Level 2 Threat Name:** Housing and Urban Areas

**IUCN Level 2 Threat Name:** Industrial and Military Effluents

**IUCN Level 2 Threat Name:** Industrial and Military Effluents

**IUCN Level 2 Threat Name:** Invasive Non-native-Alien Species-Diseases

**Notes:** Non-native fish introductions

**IUCN Level 2 Threat Name:** Invasive Non-native-Alien Species-Diseases

**Notes:** Non-native fish introductions

**IUCN Level 2 Threat Name:** Logging and Wood Harvesting

**Notes:** Where BMPs are lacking, loss of shade over small streams may lead to warmer temperatures, sedimentation

**IUCN Level 2 Threat Name:** Mining and Quarrying

**IUCN Level 2 Threat Name:** Roads and Railroads

**Notes:** Stream crossings can have direct (habitat loss, barriers to aquatic organisms) and indirect (road kill, run off) impacts

**IUCN Level 2 Threat Name:** Roads and Railroads

**Notes:** Faulty culverts affect hydrology and impede passage of aquatic organisms

**IUCN Level 2 Threat Name:** Roads and Railroads

**Notes:** Faulty culverts affect hydrology and impede passage of aquatic organisms

**IUCN Level 2 Threat Name:** Storms and Flooding

**Notes:** Hurricane Irene is an example

**IUCN Level 2 Threat Name:** Temperature Extremes

**Notes:** Can be moderated by maintaining shade on streams

**IUCN Level 2 Threat Name:** Temperature Extremes

**Notes:** Can be moderated by maintaining shade on streams

#### Habitat Conservation Actions:

Relevant conservation actions for this habitat are assigned within broader habitat groupings in Maine's 2015 Wildlife Action Plan: Element 4, Table 4-15. Click on the Habitat Grouping of interest to launch a habitat based report summarizing relevant conservation actions and associated SGCN.

#### Species Conservation Actions:

Conservation actions that may benefit species associated with this habitat can be found in Maine's 2015 Wildlife Action Plan:

## SGCN and Stressors Associated with Habitats

### Macrogroup: Rivers and Streams

Element 1, Table 1-3. Click on the species of interest to launch a species based report summarizing relevant conservation actions and associated habitats.

*The Wildlife Action Plan was developed through a lengthy participatory process with state agencies, targeted conservation partners, and the general public. The Plan is non-regulatory. The species, stressors, and voluntary conservation actions identified in the Plan complement, but do not replace, existing work programs and priorities by state agencies and partners.*